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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/631,935

07/31/2003

Yasuhiro Tamekuni

B208-889 DIV

9639

26272

7590

07/07/2006

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EXAMINER

SHAPIRO, LEONID

ART UNIT

PAPER NUMBER

2629

DATE MAILED: 07/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/631,935	TAMEKUNI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Leonid Shapiro	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 April 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 19-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                         |                                                                             |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____                                                |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____                                                             | 6) <input type="checkbox"/> Other: _____                                    |

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 19-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimada (US Patent No. 5,640,171) in view of Takebe (JP 04-314221 A).

As to claim 19, Shimada teaches a display apparatus (See Col. 1, Lines 6-9) comprising:

a display unit adapted to display an image (see Fig. 2, items 10R, 10L, Col. 3, Lines 48-60); and

wherein said display unit displays said image as being switched by mode signal from 3D to 2D mode (See Fig. 1, items 2, 4, Fig. 3, items 3-4, Col. 4, Lines 30-67).

Shimada does not disclose a detection unit adapted to detect whether a predetermined time is passed to switch mode from 3D to 2D.

Takebe teaches a detecting unit adapted to detect whether a predetermined time is passed (See Constitution).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate teaching of Takebe into Shimada system to switch mode after

predetermined time passed in order to save power (See Purpose in the Takebe reference).

As to claim 24, Shimada teaches a method for a display unit (See Col. 1, Lines 6-9) adapted to display an image (see Fig. 2, items 10R, 10L, Col. 3, Lines 48-60); and displaying said image as being switched by mode signal from 3D to 2D mode (See Fig. 1, items 2, 4, Fig. 3, items 3-4, Col. 4, Lines 30-67).

Shimada does not disclose a detection unit adapted to detect whether a predetermined time is passed to switch mode from 3D to 2D.

Takebe teaches a detecting unit adapted to detect whether a predetermined time is passed (See Constitution).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate teaching of Takebe into Shimada system to switch mode after predetermined time passed in order to save power (See Purpose in the Takebe reference).

As to claims 20 and 25, Shimada teaches display apparatus is capable of being mounted on user's head (See Fig. 2, item 9, Col. 3, Lines 48-60).

As to claims 22 and 27, Shimada teaches display apparatus is capable of being mounted on user's head (See Fig. 2, item 9, Col. 3, Lines 48-60) and Yokoi et al. teaches a time setting unit adapted to set predetermined time by manual operation (See Fig. 5, items 2221, 2224, from Col. 5, Line 64 to Col. 6, Line 7).

As to claims 23 and 28, Shimada teaches wherein said display unit includes a liquid crystal display adapted to display an image, and a backlight source adapted to

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illuminate said liquid crystal display from behind (See Fig. 1, items 7R, 7L, 8R, 8L, Col. 3, Lines 26-47).

2. Claims 21 and 26 rejected under 35 U.S.C. 103(a) as being unpatentable over Takebe and Shimada as applied to claims 19 and 24 above, and further in view of Yokoi et al. (US Patent No. 5,864,346).

Takebe and Shimada do not disclose a time setting unit adapted to set predetermined time by manual operation.

Yokoi et al. teaches a time setting unit adapted to set predetermined time by manual operation (See Fig. 5, items 2221, 2224, from Col. 5, Line 64 to Col. 6, Line 7).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate teaching of Yokoi et al. into Takebe and Shimada system to switch mode after predetermined time passed in order to prevent user from getting excessively fatigued (See Col. 1, Lines 45-48 in the Yokoi reference).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 19-28 have been considered but are moot in view of the new ground(s) of rejection.

### ***Telephone inquire***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 571-272-7683. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LS  
07.06.06



**RICHARD HJERPE**  
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